

# Shoreline Master Programs

Addressing Sea Level Rise



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November 1, 2012

# Shoreline Management Act

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- Sea level rise not addressed
- Requires use of available information



# Shoreline Master Program Guidelines

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- Sea level rise not addressed
- Latest & greatest scientific & technical info required



# Shoreline planning

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- SMP Handbook
- Data & information pages
- Upcoming guidebook





# SMP Handbook Appendix

- Public participation
- Shoreline jurisdiction
- Inventory & characterization



# SMP Handbook Appendix

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Environment  
designations




Policies &  
regulations



Restoration  
plan

# Data and information



DEPARTMENT OF  
**ECOLOGY**  
State of Washington


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## Shoreline Master Programs (SMPs)

**SHORELINE MASTER PROGRAMS**  
Citizen Guide  
Shoreline Planners Toolbox  
Permits and Enforcement  
Media Kit  
Special Topics  
Laws, Rules, and Cases  
News  
Publications  
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[SEA Program Home](#) > [Shoreline Management Home](#) > [SMP Home](#) > [Shoreline Planners Toolbox](#) > Data and Information

### Data and Information

There are various types of information useful for developing and administering Shoreline Master Program. We have separated the information into the three types described below.

- [Integrated reports, catalogs, multi-feature data sets, and internet mapping sites](#)**

Many existing reports have synthesized monitoring and analyses results from different studies to address one or several aspects of aquatic ecosystems. These reports can provide both general context setting information and specific recommendations for shoreline management. There are on-line data catalogs that serve as a clearinghouse for data, and internet mapping sites that provide users who lack GIS software the opportunity to view data.
- [Maps, imagery, and information sources](#)**

Maps, photos, satellite imagery, and monitoring station data provide information that may be fundamental to assessing the status of shoreline ecological functions. Many existing data sets contain attributes that can be extracted separately or together to address shoreline issues.
- [References for scientific texts, journal articles, technical reports, and research papers](#)**

Scientific texts, journal articles, technical reports, and research papers are useful for understanding fundamental biophysical principles applied to landscape ecology and aquatic lands management.

Data type	Link to source
reports	Limiting Factors Columbia Basin Plan USGS Studies
Literature reviews	Aquatic Habitat Prot Veg. Riparian Zones Lakeshore Impacts Best Available Science
Data catalogs	DNR Shore Zone DOT geodata catalog DNR GIS catalog JAC portal
Internet map sites	Eco Coastal Atlas Eco 303d waters Ecology EIM

Data type	Link to source
Jurisdiction & ownership	SBA streams SBA 200's points DNR aquatic lands WRA boundaries
Hydrology	Watercourses: 100s Flow characteristics Major lakes in WA
Floodplains	FEMA Flood Maps
Topography	10-m DEM quads 30-m DEM quads LIDAR



# Draft shoreline policies

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- **King County:**
  - Infrastructure
  - Habitat protection & restoration
- **Kitsap County:**
  - Infrastructure
  - Major private structures



# Sea level rise guidebook

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- Adaptation strategy
- 5 phases
- Case studies
- 2013 publication

## Sea Level Rise Adaptation Guidebook for Local Governments in Washington State



# Thanks!

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Photo Credits:

Hugh Shipman, slides 2, 6 (restoration).

Richard Brocksmith, slide 3 (flooded park)

Washington Coastal Atlas, slides 4,6

King County, slide 6 (bulkhead)

Washington Conservation Corps, slide 8

Charles Baumgaertner, slide 10

